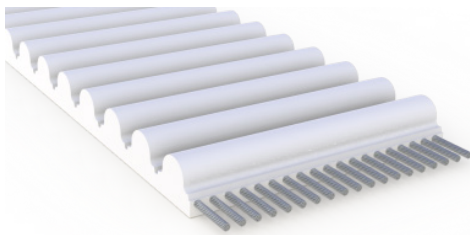




GATES POLYURETHANE TIMING BELTS

HTD5-BASIC – ALLROUNDER AND COST CONSCIOUS

Gates HTD5-BASIC Timing Belts extend our standard product range of Polyurethane Timing Belts with a cost conscious alternative for applications with lower demands on mechanical properties. HTD5-BASIC is our new alternative for our well-known standard HTD5-KLASSIK.



NEW!

PRODUCT DATA

Pitch	5 mm
Minimum Welded Belt Length	
Up to 100 mm	480 mm
> 100 mm	960 mm
Standard Roll Length (Tolerance ± 1%)	100 m
Standard Color	White
Cord	Steel Cord
Minimum Number of Pulley Teeth z_{min}	16
Minimum Pulley Diameter	25,5 mm
Minimum Back Bend Diameter	80 mm
FDA / EU Approval	No
Polyurethane	R1 / 92 Shore A (STANDARD) R2 / 85 Shore A (OPTION)
Polyamide Fabric	NB / Polyamide on Back Side (OPTION) NT / Polyamide on Tooth Side (OPTION) NTB / Polyamide on Tooth and Back Side (OPTION)

TECHNICAL DATA

Standard Width [mm]	10	15	20	25	50	100	150
Ultimate Tensile Strength F_{Break} [N] Average Value	2.520	3.780	5.460	7.140	14.700	29.820	44.940
Allowable Belt Tension F_{Tall} [N] Open Ended	674	1.010	1.459	1.909	3.929	7.971	12.012
Allowable Belt Tension F_{Tall} [N] Endless Welded	337	505	730	954	1.965	3.985	6.006
Allowable Effective Tension F_{Eall} [N]							
Minimum 15 Teeth are in mesh	408	612	816	1.020	2.040	4.080	6.120
Specific Belt Weight m_{sp} [kg/m/mm]	0,0044						
Specific Belt Stiffness c_{sp} [N]	168.397	252.596	364.860	477.125	982.316	1.992.699	3.003.081